

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Lance W. Russell

Confirmation Number:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: Migrating Recovery Modules in a Distributed Computing Environment



COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☒ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
- ☐ Statement under 37 CFR 1.97(e), or
  - ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs
- ☐ under 37 CFR 1.97 (d) together with a:
- ☐ Statement under 37 CFR 1.97(e), and
  - ☐ a petition under 37 CFR 1.97(d)(2), and
  - ☐ a \$180.00 petition fee set forth in 37 CFR 1.17(i).  
(Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)

Please charge to Deposit Account 08-2025 the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express Mail" label no. EL055890638US

Date of Deposit: June 28, 2001

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Washington, D.C. 20231.

By

Typed Name: Edouard Garcia

Respectfully submitted,

Lance W. Russell

By

Edouard Garcia

Attorney/Agent for Applicant(s)

Reg. No. 38,461

Date: June 28, 2001

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

10003532-1

APPLICATION NO.

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APPLICANT

Lance W. Russell

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Herewith

GROUP

 10978 U.S. PTO  
 09/095235  
 06/26/01

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	1A	6,226,666	May 1, 2001	Chang et al.		
	1B	6,173,311	Jan. 9, 2001	Hassett et al.		
	1C	6,115,736	Sep. 5, 2000	Devarakonda et al.		
	1D	6,105,148	Aug. 15, 2000	Chung et al.		
	1E	6,092,096	Jul. 18, 2000	Lewis		
	1F	6,055,562	Apr. 25, 2000	Devarakonda et al.		
	1G	6,038,212	Mar. 14, 2000	Galand et al.		
	1H	6,026,499	Feb. 15, 2000	Shirakihara et al.		
	1I	5,944,783	Aug. 31, 1999	Nieten		
	1J	5,923,833	Jul. 13, 1999	Freund et al.		
	1K	5,805,785	Sep. 8, 1998	Dias et al.		

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	1L	WO99/35791	7/15/99	Garcia et al.				
	1M							
	1N							
	1O							
	1P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	Gianni Di Caro et al., "An adaptive multi-agent routing algorithm inspired by ants behavior," Proceedings of PART98 - 5th Annual Australian Conference on Parallel and Real-Time Systems, Springer-Verlag, pages 261--272 (1998).
	1R	
	1S	

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	2A	5,802,267	Sep. 1, 1998	Shirakihara et al.		
	2B	5,665,081	Aug. 5, 1997	Bonnell et al.		
	2C	5,440,726	Aug. 8, 1995	Fuchs et al.		
	2D	5,390,326	Feb. 14, 1995	Shah		
	2E	5,151,987	Sep. 29, 1992	Abraham et al.		
	2F	4,710,926	Dec. 1, 1997	Brown et al.		
	2G					
	2H					
	2I					
	2J					
	2K					

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		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	2L							
	2M							
	2N							
	2O							
	2P							

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	
	2R	
	2S	

EXAMINER

DATE CONSIDERED